GOLEBIEWSKI, ALOIZY

The electric conductivity of resorcinol in the mono- and polycrystalline state. Aloizy Golebiewski (Univ. Łódź, Poland). *Roczniki Chem.* [illegible] 341-54 (1957) (English summary); cf. *C.A.* 51, 7718a.—The sp. cond. σ of α- and β-resorcinol in the polycryst. state (I) at 30-44°, and of β-resorcinol monocrystal (II) at 50-99°, was measured in H atm. Values of σ at 15° of the consts. σ_0 and of the activation energy E, extrapolated and calcd. from the formula $\sigma = \sigma_0 \exp(-E/2kT)$, are, resp.: for I-$\alpha$: 0.6×10^{-18}, 2×10^{8}, and 2.10 e.v.; for I-β: 0.5×10^{-18}, 9×10^{8}, and 3.27 e.v.; for II-β: 2×10^{-18}, 5.5×10^{8}, and 4.24 e.v. σ-Values converge at the α-β transition temp. Changes in σ observed when the crystal becomes slightly cloudy or efflorescent around one or both electrodes (E = 2.97 e.v.) indicate that it depends on the cryst. modification. The alter value of E is probably anion cond. or the result of superposition of the values for I-α and II-β, which are the electron conductivities.

A. Kręglewski

POLAND/Physical Chemistry. Molecule. Chemical Bond. B

Abs Jour: Ref Zhur-Khimiya, No 22, 1958, 72958.

Author : Alojzy Golebiewski.
Inst :
Title : Some Remarks Concerning the Application of Metal Model for Computing the Electronic Structure of Organic Compounds.

Orig Pub: Roczn. chem., 1957, 31, No 3, 959-968.

Abstract: The issue is whether it is expedient to use the condition of joining the wave function in knots of a metal model ($d\psi/ds_1 + d\psi/ds_2 + d\psi/ds_3 = k\psi_p$ at $k = 1/D$ (D is the length of the CC bond) and at other values of k other than zero. A usual metal model of polyacenes, as well as a latticed model with branches of

Card : 1/2

GOLEBIEWSKI, A.

Distr: 4E3d/4E4c

21

Atomic orbitals in the approximation of free electron orbitals. Alojzy Gołębiewski (Univ. Kraków, Poland). *Roczniki* [illegible] (English summary). — The free electron method is applied to the atom with the assumption that the electrons move in a sphere with an inner const. and fixed potential, the outer being infinite. The resulting eigenfunctions are used as variational functions without orthogonalization to the exact quantum-mech. problem of a H atom. The results obtained with the radius of the sphere as the only variational parameter, agree well with the exact data, except the value for state 1s. [illegible]

4

2

POLAND/Atomic and Molecular Physics - Physics of the Atom. D

Abs Jour : Ref Zhur Fizika, No 8, 1959, 17556

Author : Golebiewski, Alojzy; Zalewski, Kasper
Inst : - -
Title : On the Interpretation of Slater's Approximation of Atomic Orbitals

Orig Pub : Acta phys. polon., 1958, 17, No 2-3, 199-200

Abstract : An opinion is expressed, that the interpretation of the single-electron approximation of Slater, given in the well-known monographs by Gombas (Referat Zhur Fizika, No 7, 1954, 6903), Airing, Walter, and Kimball (Quantum Chemistry, Foreign Literature Publishing House, 1948) is in error and contradicts the ideas of Slater. In the author's opinion, the use of the single-electron Slater functions as trial functions is based on the assumption that the dependence of the radial portion of the wave function on the orbital quantum number is of

Card 1/2

Card 2/2

- 44 -

COUNTRY : Poland 8-4
CATEGORY : Physical Chemistry. Molecules. Chemical Bond

ABS. JOUR. : RZKhim., No. 16 1959, No. 56104

AUTHOR : Goslielewski, A.
INST. : Not given
TITLE : Note on the Calculation of Force Constants for Some Complex Compounds

ORIG. PUB. : Rocznniki Chem. 32, no 3, 990-994 (1958)

ABSTRACT : A method for the calculation of force constants for complex compounds, based on the dependence of the wavelengths in the absorption spectrum on the distances between the central ion and the ligands, has been presented in an earlier report (L. Stolarczyk, Prace Konfer Electrochem, Warsaw, 1957, page 575). The application of the above method is limited by a number of assumptions and requires complex computational procedures. The author proposes a new method which is free of these

CARD: 1/3

COUNTRY : Poland 3-4
CATEGORY :

ABS. JOUR. : RZKhim., No. 16 1959, No. 56104

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : disadvantages. A general formula giving the probability $\Phi(x)dx$ that the ligand is at a distance from the central ion included in the range x, x + dx, is used to calculate the distance $x_0 = 6.7 \cdot 10^{-10}$ cm at which the damping factor decreases to half the initial value. The condition $\Phi(0) = 2\Phi(x_0)$ leads to a transcendental equation from which the quantity $\hbar\omega/2kT$ is calculated together with the force constant for the fully symmetric vibrations.

CARD: 2/3

GOLEBIEWSKI, Alojzy; WITKOWSKI, Andrzej

Theory of resonance transfer of energy between organic molecules with double bonds. Rocz chemii 33 no.6:1443-1453 '59. (EEAI 9:9)

1. Katedra Chemii Teoretycznej Uniwersytetu Jagiellonskiego, Krakow
(Mesomerism) (Molecules) (Organic compounds)

S/081/62/000/011/002/120
B101/B138

AUTHOR: Golębiewski, Aleksy

TITLE: Some considerations on π-electron systems. IV. A useful relation between atom-atom polarizabilities and mobile bond orders

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 11, 1961, 11, abstract 27B52 (Roczn. chem., v. 35, no. 6, 1961, 1727-1730 [Eng.; summary in Pol. and Russ.])

TEXT: Approximate formulas are derived, which can be used to calculate the polarizability of an atom by an atom where the bond orders are known, for the case of alternative hydrocarbons. As an example, the formulas derived are used to calculate the atomic charges for some azaderivatives. The results coincide with the exact values. The atom/atom polarizabilities calculated by these approximate formulas are also given for a large number of compounds. Report III, see RZhKhim, 1961, 22B47. [Abstracter's note: Complete translation.]

Card 1/1

GOMBIEWSKI, A.; ZALEWSKI, K.

Correlation of some reactivity criteria of the resonance theory and the simple ICAO MO method. Acta physica Pol 21 no.1:89-95 '62.

1. Department of Theoretical Chemistry, Jagellonian University, Krakow, and Institute of Physical Chemistry, Polish Academy of Sciences, Krakow.

GOLEBIEWSKI, Alojzy

Bond lengths calculation for coronene with the use of approximate SC LCAO MO technique. Rocz chemii 36 no.7/8:1197-1202 '62.

1. Department of Theoretical Chemistry, Jagiellonian University, Krakow.

GOLEBIEWSKI, Alojzy

Theoretical study of hexmethylidene-benzene. Roczn chemii 36 no.10:1511-1519 '62.

Some considerations on π-electron systems. Pt.5. Ibid:1521-1532

1. Mathematical Institute, Oxford, and Department of Theoretical Chemistry, Jagiellonian University, Krakow.

GOLEBIEWSKI, Alojzy

On Hall's method of bond orders calculation. Acta physica Pol 23 no.2:235-242 F '63.

1. Department of Theoretical Chemistry, Jagellonian University, Krakow.

GOLEBIEWSKI, Alojzy

On the equivalence of Pauling's directed bonds theory, the maximum overlap principle and the molecular orbital method. Acta physica Pol 23 no.2:243-254 F '63.

1. Department of Theoretical Chemistry, Jagellonian University, Krakow.

GOLEPIEWSKI, Alojzy; NOWAKOWSKI, Janusz

A unique treatment of various classes of even alternant hydrocarbons with a self consistent Huckel method. Acta physica Pol 25 no.5:647-661 My '64.

1. Department of Theoretical Chemistry, Jagiellonian University, Krakow.

GOLOBI[illegible], A. [illegible], [illegible]

A note on electronic oscillator structure in [illegible] system and aromatic hydrocarbons. [illegible] 1-4.

1. Department of The [illegible] Chemistry, [illegible] University, Krakow.

KOLMSIEWSKI, Mieczyslaw, inz.

[illegible] in 1951. Przegl techn 84 no.[illegible] [illegible] [illegible].

GOLEBIEWSKI, A.

"The Haug Mill." p. 9. (Przegled Papierniczy, Vol. 10, no. 1, Jan 54, Lodz)

SO: Monthly List of East European Accessions, Vol 3 No 6, Library of Congress Jun 54 Uncl

E

POLAND/Chemical Technology - Chemical Products and Their Application, Part 4. - Cellulose and Its Derivatives, Paper. H-33

Abs Jour : Ref Zhur - Khimiya, No 14, 1958, 49032

Author : Romuald Golebiewski

Inst : -

Title : Upon the Choice of Centrifugal Pumps For Paper Industry.

Orig Pub : Przegl. papiern., 1957, 13, No 5, 131-136; No 6, 169-172, 181.

Abstract : The peculiarities of centrifugal pump work in paper industry, the requirements put to this equipment, the principles of the pump choice and the pump work in piping systems are discussed. The general principles of selection of centrifugal pump motors taking into consideration the peculiarities of the paper industry are presented. Various methods of pump work control are

Card 1/2

POLAND/... Application, Part 4. - Cellulose ... Derivatives, Paper.

Ref Zhur - Khimiya, No 14, 1958, 49032

2-6

POLAND / Farm Animals. Honeybees

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 45326

Author : Golebiewski, Romuald
Inst : Not given
Title : Some Remarks on the Greater Wax Moth.

Orig Pub : Pszczelarstwo, 1957, 8, No. 1, 11-12

Abstract : The caterpillars of Galleria mellonella L. were allowed to develop at room temperature in slightly darkened glass cups, without beeswax, on orange rind, on wheat flour biscuits, and on pastry (gingerbread and cakes). The caterpillars raised on orange rind were developing most intensively, and were completing their cycle of development in 40-45 days. Those raised on biscuits had their cycle of development prolonged by a few days, and those raised on pastry needed for their development 50 to 60 days. The conclusion is drawn that in the fight against moths a systematic watch should be kept, besides beeswax, on the sweet foods made of flour.

Card 1/1

Gołębiowski, T.

GOŁĘBIOWSKI, T. An Atelier for the preparation of a dictionary of interpretive translation terms. [illegible]. Vol. 11, no. 10, Oct. 1956. [illegible] Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

POLAND / Chemical Technology. Chemical Products and Their Application. Fermentation Industry. H-27

Abs Jour: Ref Zhur-Khimiya, No 1, 1959, 2733.

Author : Golebiewski, T.
Inst : Not given.
Title : The Review on the Essential Problems in the Malt and Brewing Industry.

Orig Pub: Przem. fermentacyjny, 1958, 2, No 2, 37-39.

Abstract: A description is given on the international exhibit of the brewing and non-alcoholic beverage industry, which took place at Munich in 1957. The exhibition displayed the broad automatization at those industries. Together with small automates such as a dosator, the entire lines and automatically controlled departments were displayed. Application of aluminum, stainless steel,

Card 1/2

Country : POLAND

Category : Chemical Technology. Fermentation Industry

Ref. Jour : Ref Zhur-Khimiya, No 18, 1959, No. 61385

Author : Colchiewski, J.

Institute : ---

Title : Improvement of the Physic.-Chemical Properties of Beer. Przem. Fermentacyjny, 1958, 2, No 3, 76-80.

Orig Pub. : Przem. Fermentacyjny, 1958, 2, No 3, 76-80

Abstract : Devices, methods for the non-biological tri-[illegible] and preservation of substrate in beer, and also ways of their elimination in all technological steps of the brewing process are discussed. Bibliography of 11 titles.

— G. Ishmyan

Card: 1/1

Category : Chemical Technology.

Pub. Jour : S.-T. Chur-Kharkiv No 14, 1959 No 51808

Author :
Institute :
Title :

Orig Pub. :

Abstract : (CO2) of a beer, which was determined by the
Con'd saturation method (I) of a beer (spectro-
photometric method). This investigation was
extended to 7 breweries that manufacture 35%
of the total beer in the USSR and that use
different methods of boiling and introduction
of H into brews. The investigations revealed
that there is no relationship between the
methods of dividing H into portions, values
of CLI, and quality of process water, whereas

Card: 2/5

Category : [illegible]

Abs. Jour : Ref Zhur-Khimiya No 18, 1959, No 61588

Author :
Institute :
Title :

Orig Pub. :

Abstract : of the starting brew of 9%) and 33-35 mg/l for a pale and heavy beer (1 %). The optimum values of CLI for the above should be: 140- -with the availability of a soft process water; 1.0-with the medium hard water, and 1 0-with hard water. Volumes of F dosages, for the described conditions, would depend on the condition of the process equipment and on the qualification of operating personnel. It is recommended to employ CLI and

Con'd

Card: 4/5

GRUBIN, I., Tsezuar

Evaluation of the [illegible] and. Izvestiya prum 10 no.72 1 [illegible]

1. [illegible]

ACC NR: AP6032359 (A) SOURCE CODE: PO/0051/66/000/014/0443/0443

INVENTOR: Reda, Tadeusz (Master Engineer); Golebiecki, Slawomir; Wilasek, Miroslaw

ORG: Center for Motor Transportation Research, Osrodek Badan Transportu Samochodowy)

TITLE: Testing diaphragm type fuel pumps for light fuels PO Pat. No. 50697

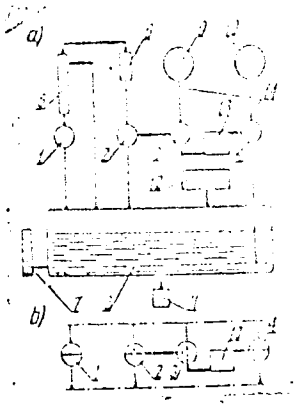
SOURCE: Przeglad mechaniczny, no. 14, 1966, 443

TOPIC TAGS: fuel injection, pump, ~~[illegible]~~, test facility, test method, [illegible]

ABSTRACT: The invention is a device for testing diaphragm feed pumps for light fuels driven by the shaft of a control engine or the shaft of an injection pump. The device, intented for testing diaphragm pumps of all types of motor vehicles, can constitute the equipment of a service station and of automobile repair establishments. The testing routine for pumps includes measurement of the vacuum at the suction end, measurement of the pressure at the delivery end, measurement of the pressure drop at the delivery end, and the output. As can be seen from diagram 1, the fuel system of the installation consists of fuel tank 8 fitted with a level indicator 7 and an overflow basin with a grid 12 and a drain valve 11. The following elements are connected by fuel lines 14 to the tank: output measurement tank 5, fuel flow sight-glass 6, manometer 9 and vacuum gauge 10. At the same time the fuel flow to the pump being tested 13 is regulated by two-way valve 1 and by the three three-way valves 2,3, and 4 connected to a special system. As an example the method of measuring the output of pump 13 is given below.

Card 1/2

ACC NR: AP6052359



Diagrams a) and b)

Diagram g illustrates the system of valves for this case. At the moment when the fuel column reaches the zero position on the scale of the output measurement tank, the stop-watch must be engaged. After 30 seconds the stop-watch must be turned off and the level of valve 2 must be switched on. Then the amount of fuel q must be read off the scale of the output measurement tank. The output of the pump tested can be computed from the formula $Q = q \cdot 3.6/t$ where t is the measurement time in seconds. Orig. art. has: 2 figures.

SUB CODE: 13 / SUBM DATE: 15Mar66

Card 2/2

GOLEBIOWSKA, Aleksandra

The potentiometric method applied to the detection of some substances on paper chromatograms. Chem anal 5 no.6:1021-1026 '60. (EEAI 10:9)

1. Department of General Chemistry, Jagellonian University, Krakow.

(Potentiometer) (Chromatography)

ZAPICR, Bronislaw; GOLEBIOWSKA, Aleksandra

Studies on the discovery of Digitalis purpurea glycosides by paper chromatography; analysis of the percolates. Chem anal 7 no.4:855-858 '62.

1. Department of General Chemistry, Jagiellonian University, Krakow.

GOLEBIOWSKA, Irena; CHODYN, Eustachiusz; LIPSKI, Jozef

Results of associated method of the treatment of cutaneous tuberculosis applied at the dermatological clinic of the Academy of Medicine of Gdnask. Przegl. derm. 4 no.3:213-216 My-Je '54.

1. Z Kliniki Dermatologicznej Akademii Medycznej w Gdansku. Dyrektor: prof. dr T.Pawlas.
(TUBERCULOSIS, CUTANEOUS, therapy.)
*

GOLEBIOWSKA, Irena

Statistical considerations on cutaneous tuberculosis in the Gdansk region, 1945-52. Przegl. derm., Warsz. 4 no.4:313-317 July-Aug 54.

1. Z Kliniki Dermatologicznej Akademii Medycznej w Gdansku. Dyrektor: prof. dr. T.Pawlas.
(TUBERCULOSIS, CUTANEOUS, epidemiology, Poland)

MIEDZINSKI, Franciszek; GOLEBIOWSKA, Irena

Angioma serpiginosum as a nosological unit. Przegl. derm., Warsz. 6 no.2:105-110 Mar-Apr 56.

1. Z Kliniki Dermatologicznej A.M. w Gdansku. Dyrektor: prof. dr. Fr. Miedzinski. Gransk, Klinika Dermatologiczna Akademii Medycznej, Debinki 7a.
(ANGIOMA,
serpiginosum, as nosol. unit (Pol))

GOLEBIOWSKA, Irena

Results of the treatment of certain skin diseases with Bucky rays. Przegl. derm., Warsz. 6 no.3:209-217 May-June 56.

1. Z Kliniki Dermatologicznej A.M. w Gdansku Dyrektor: prof. dr. Fr. Miedzinski, Gdansk, Klinika Dermatologiczna A.M. Debinki 7-a.

(SKIN DISEASES, therapy,
Bucky rays (Pol))
(RADIOTHERAPY, in various diseases,
skin dis., Bucky rays (Pol))

MILGROM, F.;GOLEBIOWSKA, J.

Studies on syndromes caused by irritation of the bulbar region; carotic syndrome. Med. dosw. mikrob. 4 no.4: 467-481 952. (CIML 23:4)

1. Of the Institute of Microbiology of Wroclaw Medical Academy.

MILGROM, F.;GOLEBIOWSKA, J.

Studies on syndromes produced by irritation of the bulbar region. II. Cardiac syndrome. Med. dosw. mikrob. 5 no.1:1-8 1953. (CIML 24:5)

1. Of the Institute of Microbiology of Wroclaw Medical Academy.

MILGROM, F.; GOLEBIOWSKA, J.

Studies on syndromes due to irritation of the bulbar region; hypoglycemic syndrome. Med. dosw. mikrob. 5 no.1:9-21 1953. (CIML 24:5)

1. Of the Institute of Microbiology and of the Infectious Clinic, Wroclaw Medical Academy.

MILGROM, Feliks; GOLEBIOWSKA, Janina; KIELCZEWSKA, Halina

Studies on parabiosis. I. Effect of antihistaminics.
Arch. immun. ter. dosw., 3:393-396 1955.

1. Instytut Immunologii i Terapii Doswiadczalnej PAN we Wroclawiu (Dyrektor: prof. dr. L. Hirszfeld) Dzial Immunologii Szczegolowej (Kierownik: prof. dr. F. Milgrom).
(ANTIHISTAMINICS, effects,
on survival of mice in parabiosis (Pol))
(PARABIOSIS,
eff. of antihistaminics on survival of mice in parabiosis (Pol))

GOLEBIOWSKA, J.

GOLEBIOWSKA, Julia

Microbiology in the service of genetics. Postepy nauk roln 8 no.3: 19-26 My-Je '61.

1. Pracownia Mikrobiologii Zakladu Roslin Pastewnych, Instytut Uprawy, Nawozenia i Gleboznawstwa, Poznan.

GOLEBIOWSKA, J.; KOBUS, J.; MALISZEWSKA, W.; SOBIESZCZANSKI, J.; STRZEMSKA, J.

Dynamic aspect on the development of some groups of microorganisms in the soil. Rocz nauk roln rosl 84 no.1:1-13 '61.

1. Zaklad Mikrobiologii, Instytut Uprawy, Nawozenia i Gleboznawstwa, Pulawy i Katedra Mikrobiologii Rolniczej, Wyzsza Szkola Rolnicza, Wroclaw.

GOLEBIOWSKA, Julia; SYPNIEWSKA, Urszula

Studies on the development cycle of Rhizobium lupini in root nodules. Acta microbiol. pol. 11 no.4:313-318 '62.

1. From the Microbiological Laboratory, Department of Fodder Plants, Institute of Soil Science and Cultivation of Plants, Poznan.
(RHIZOBIUM) (PLANTS) (SOIL MICROBIOLOGY)

GOLEBIOWSKA, Julia; SYPNIEWSKA, Urszula

The effect of the plant and of ecological conditions on development of symbiosis between lupine and Rhizobium lupini. Acta microbiol. pol.11 no.4:319-327 '62.

1. From the Microbiological Laboratory, Department of Fodder Plants, Institute of Soil Science and Cultivation of Plants, Poznan.
(RHIZOBIUM) (PLANTS) (SYMBIOSIS) (SOIL MICROBIOLOGY)

JAKUBISIAK, Barbara; GOLEBIOWSKA, Julia

Influence of fungicides on Rhizobium. Acta microbiol. polon. 12 no.3:199-202 '63.

1. From the Microbiological Laboratory, Department of Fodder Plants, Institute of Soil Science and Cultivation of Plants, Poznan.

(RHIZOBIUM) (FUNGICIDES)

[illegible], [illegible]; [illegible], [illegible]

Chemical agents for plant protection against [illegible].
Fiziol. rast. [illegible] no.5: [illegible].

1. Laboratory of Microbiology, Moscow, of the Institute of Cultivation, Fertilization, and Soil Science, [illegible], for Timiriazev. 2. Department of Microbiology, of the School of Soil Culture, [illegible].

GOLEBIOWSKA, J.

Golebiowska, J.; Wrobel, T. "The Usefullness of Various Media in Producing Root Nodule Bacterial Preparations for the Inoculation of Leguminous Plants" p. 313 (Acta Microbiologica Polonica, Vol. 1, No. 4, 1952, Warszawa)

SO: Monthly List of East European Accessions, Vol. 3, No. 3, Library of Congress, March, 1954, Uncl.

GOLEBIOWSKA, J.

Effect of carbon sources in cultures of *Rh. trifolii* and *Rh. meliloti* on nitrogen fixation in inoculated plants. J. Golebiowska (*Acta microbiol. polon.*, 1953, 2, 327–337). — Pot and [illegible] experiments are carried out in order to determine the effect of various carbon sources on the N_2 fixation by *Rhizobium*. The plants are inoculated with one strain of *Rh. meliloti* and two strains of *Rh. trifolii* of different N_2-fixing ability. As carbon sources mannitol, glycerol, glucose, fructose, sucrose, and maltose are used. The reaction to various kinds of carbon source is different in the tested species of *Rhizobium*. No difference is detected between the two strains of *Rh. trifolii*. S. K. Lukiewicz

WROBEL, T.; GOLEBIOWSKA, J.

Inoculation of leguminous plants with root nodule bacteria on various soils. Acta microb. polon 5 no.1-2:121-214 1956.

1. Iz laboratorii pochvennoy mikrobiologii Instituta obrabotki i udobreniya poch'y.

(BACTERIA,
root nodule bact., inoculation of leguminous plants on various soils (Rus))

(PLANTS,
inoculation of leguminous plants with root nodule bact. on various soils (Rus))

GOLEBIOWSKA, J.

A method of investigation of the microbial population playing a part in the transformation of phosphorus compounds in the soil. Acta microb. polon 5 no.1-2:125-127 1956.

1. From the Department of Soil Microbiology, IUNG, Pulawy.
(PHOSPHORUS, metabolism,
microbial transform. in soil)
(SOIL, microbiology,
microbial transform. of phosphorus in soil)

POLAND/Soil Science. Soil Biology J-2

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 43817

Author : Nowotny-Mieczynska A., Golebiowska J.
Inst : Pulavakh Institute
Title : The Influence of Microbial Population on the Phosphorus Uptake by Some Crop Plants.

Orig Pub : Acta microbiol. polon., 1956, 5, No 1-2, 129-132 (English; res. Polish)

Abstract : At the microbiological division of the Institute in Pulavekh an investigation was made of the content of various groups of microorganisms in loess and sand soils. In sandy soil there was a predominance of microorganisms which dissolved $Ca_3(PO_4)_2$ (1), and as an example in identical quantities microbes were represented: mineralizing organic phosphorus compounds (2), more readily utilizing organic phosphates (3), taking up mineral phosphates better (4). In loess soil ther eas a stronger representation of 1 and 2, and 3rd group of microbes was
Card : 1/2

POLAND/Soil Science. Soil Biology J-2

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 43817

weaker. The oats and potato rhizospheres had the strongest representation of the 1-st group, and in the rhizosphere of lumpine, together with the 1st there was a strong representation of a microbial group which utilized both organic and mineral phosphates equally well. There was a sharp increase in the quantity of microbes of the 4th group and reduction in the 2nd group in the rhizosphere of oats. -- S.I. Zhurbitskiy

Card : 2/2

GOLEBIOWSKA, J.; WROBEL, T.

Distribution of antagonistic Actinomycetes in different soils. Acta microb. polon 5 no.1-2:137-140 1956.

1. From the Department of Soil Microbiology, IUNG, Pulawy.
(ACTINOMYCES,
antag. Actinomyces in various soils)
(SOIL, microbiology,
same)

Country : POLAND
Category : Soil Science. Biology of Soils. J

Abs Jour : RZhBiol., No 6, 1959, 24625

Author : Golebiowska, J.
Inst : -
Title : Application of Lockhead's Method for the Investigation of the Distributed-in-Soil Microorganisms, Causing Transformation of Phosphorus.

Orig Pub : Acta microbiol. polon., 1957, 6, No. 1, 17-27

Abstract : With the aid of Lockhead's method (Soil Sci., 1943, 55, 185; Canad. J. Res., 1938, 166, 152) the distribution in soils (sand, sandy loam, loess) and in the rhizosphere (oat, lupine, potato) of microorganisms, causing the transformation of various P compounds, was studied. The effect of the soil types and

Card : 1/2

Country : POLAND
Category : Soil Science. Biology of Soils. J

Abs Jour : RZhBiol., No 6, 1959, No 24625

Author :
Inst :
Title :

Orig Pub :

Abstract : developmental stages of plants on the numbers of the investigated microorganisms was demonstrated. -- M. I. Nakhimovskaya

Card : 2/2

34

GOLEBIOWSKA, J.

Certain problems of the symbiosis of leguminous plants with bacteria. A review. Acta mikrob.polon. 8 no.3-4:259-269 '59.

1. Z Zakladu Mikrobiologii Rolnej Instytutu Uprawy, Nawozenia i Gleboznawstwa w Pulawach.
(RHIZOBIUM)
(PLANTS)

GOLEBIOWSKA, J.; SYPNIEWSKA, U.

Effect of the plant on the development of its symbiosis with Rhizobium. I. Development of bacteroidal tissues in root-nodules of various variants of lupine. Acta mikrob.polon. 8 no.3-4:299-300 '59.

1. Z Pracowni Mikrobiologicznej Zakladu Roslin Pastewnych Instytutu Uprawy, Nawozenia i Gleboznawstwa w Poznaniu.
(PLANTS)
(RHIZOBIUM)

GOLEBIOWSKA, Julia, professor

Adam Prazmowski's studies on symbiosis of bacteria with leguminous plants. Review Pol Academy 6 no.3:31-35 Jl-S '61.

1. Microbiological Laboratory, Experimental Station, Baborowek and Research Centre for Genetics and Cultivation of Plants, Poznan.

[illegible]

[illegible]
an [illegible]
[illegible]

[illegible]

[illegible] Pol. Tra. Lek. 19 [illegible]

[illegible] Wydziału Klinicznego Chorób Wewnętrznych [illegible] Akademii Medycznej w Łodzi; kierownik: prof. [illegible] [illegible]).

BROZIK, Henryka; GOLEBIOWSKA, Maria; [illegible], [illegible]

Clinical observations on erythema annulare in rheumatic fever. Med. Pol. 39 no.[illegible]:1299-1303 N '64

1. Z I Kliniki Chorób Dzieci Akademii Medycznej i [illegible] Akademii Medycznej w Łodzi (Kierownik: prof. dr. med. K. Groszyński).

[illegible], L.; [illegible], M.

General cyanosis in a newborn infant [illegible] cardiac malformation. Kardio. [illegible]

GOLEBIOWSKA, Teresa

Hydraulically elevated sliding steel shuttering as applied on a construction in Jaroslaw. Przegl budowl i bud mieszk 36 no.11:655-657 N '64.

GOLEBIOWSKI, Kazimierz, mgr. inz.

Application of photoelectric transmitters in the metallurgical industry. Wiad hutn 18 no.6:165-170 Je '62.

WILKOSZEWSKI, E.; GOLDSTEIN, L.; GOLEBIOWSKA, M.; MIKUCKI, J.

Value of several biochemical & immunological tests in diagnosis & evaluation of the rheumatic process. Pediat. polska 32 no.7:769-782 July 58.

1. Z I Klinik i Chorob Dzieci A. M. w Lodzi Kierownik: doc. dr med. E. Wilkoszewski i z Zakladu Bakteriologii A. M. w Lodzi Kierownik: z-ca prof. dr med. A. Ganczarski. Adres: Lodz ul. Armii Czerwonej 15.
(RHEUMATIC FEVER, diag.
biochem. & immunol. tests in diag. & evaluation of rheum. process (Pol))

GOLEBIOWSKA, M., KOSZANSKA, J., SOBIEN-KOPCZYNSKA, S.

A case of cured mycosis of the tonsils and lungs. Pediat. polska 35 no.3:309-313 Mr '60.

1. Z I Kliniki Chorob Dzieci A.M. w Lodzi, Kierownik: doc. dr med. E. Wilkoszewski.
(MYCOSIS in inf. & child)
(TONSILS dis.)
(LUNG DISEASES in inf. & child)
(NYSTATIN ther.)

BOJARSKI, Zbigniew; GLUSZCZ, Andrzej; GOLEBIOWSKA, Maria

A case of tumor of the thalamo-pituitary region in a child with symptoms of Glinski-Simmonds disease. Pediat. pol. 37 no.7:729-734 Jl '62.

1. Z Kliniki Neurochirurgii AM w Lodzi Kierownik: doc. dr med. J.Szapiro z Zakladu Anatomii Patologicznej AM w Lodzi Kierownik: prof. dr med. A. Pruszczynski i z I Kliniki Chorob Dzieci AM w Lodzi Kierownik Katedry AM i WAM: prof. dr med. F. Redlich Kierownik Kliniki: doc. dr med. K. Sroczynski.

(THALAMUS neopl) (PITUITARY GLAND neopl)
(SIMMONDS' DISEASE diag)

GOLEBIOWSKA, Maria; BROZIK, Henryka

On activities of a summer colony for rheumatic children. Pediat. pol. 37 no.11:1231-1236 '62.

1. Z I Kliniki Chorob Dzieci AM w Lodzi Kierownik Katedry AM: prof. dr med. F. Redlich Kierownik Kliniki: doc. dr med. K. Sroczynski.
(RHEUMATIC FEVER) (CAMPING)

GOLEBWIOSKA, W.

Viscosity of glass. W. GOLEBWIOSKA AND I. KARUSSIA. *Bull. Inst. Silicate Tech.* (Warsaw), 4 (4-5); *Szkło i Ceramika*, 3 [10] 269-71 (1952).—The viscosity of various types of glasses (chemical analysis given) was measured by the withdrawal of a platinum ball from the molten mass. 10 references. A.D.I.

GOLEBIOWSKA, W.

(GAZ, WODA I TECHNIKA SANITARNA, Vol. 28, No. 2, Feb. 1954, Warszawa, Poland)
"Glass pipes for water supply, sewerage, and the chemical industry." p. 34

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, NO. 4, APRIL 1954

GOLEBIOWSKA, Z.

Flour moth. p. 30. GOSPODARKA ZBOŻOWA (Polskie Wydawnictwa Gospodarcze) Warszawa. Vol. 6, no. 10, Oct. 1955.

So. East European Accessions List. Vol. 5, no. 1, Jan. 1956.

GOLEBIOWSKA, Z.

POLAND / General and specialized Zoology. Insects. F
Insect and Mite Pests.

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44902

Author : Golebiowska, Z.
Inst : Not Given
Title : Primary Snout Moths (Phoxopteris mitouella Zell.). Biology and Methods of Control.

Orig Pub : Roczn. nauk rolniczych, 1956, 76B, No. 2, 137-244.

Abstract : The snout moths are widespread in Poland, and a partial or complete shoot destruction by larvae develop when the fall and winter are cold. The snout moth is attacked by a number of ichneumonids, braconids and chalcids, among which the most important is the ichneumon [illegible]

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[illegible]

Abs Jour: [illegible]

Author : [illegible]

Inst : [illegible]

Title : [illegible]

Orig Pub: [illegible]

Abstract: [illegible] abstract.

Card : 1/1

POLAND/Human and Animal Physiology - Blood. Blood Groups. V-3

Abs Jour : Ref Zhur - Biol., No 18, 1958, 84036

Author : Czerwinska, Barbara; Golebiowska-Wartenberg, Janina
Inst : -
Title : Reversion of Hemolysis and Serologic Characteristics of Erythrocytes.

Orig Pub : Arch. immunol. i terap. doswiadcz., 1956 (1957), 4, 115-127.

Abstract : The ability of erythrocytes (E) which were subjected to hemolysis (H) according to the method of Straub to agglutinate with anti-A, anti-B, and anti-Rh agglutins became lowered at reversion with the aid of a NaCl solution; the ability of reversed E (RE) which were suspended in a hemolytic serum to agglutinate with incomplete Rh-antibodies, disappeared entirely. However, RE are capable to absorb the antibodies of their immune anti-A sera even more intensely than original E. After the incomplete antibodies were

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MILGROM, Feliks; GOLEBIOWSKA-WARTENBERG, Janina

Blood sugar level following reflex irritation of the bulbar region.
Med. dosw. mikrob. 8 no.4:511-517 1956.

1. Z Zakladu Mikrobiologii Slaskiej A.M. w Zabrzu-Rokitnicy.
(BLOOD SUGAR,
eff. of brain electric stimulation (Pol))
(BRAIN, physiology,
eff. of electric stimulation on blood sugar (Pol))

GOLEBIOWSKI, T.

"Fight the waste of hogskin", p. 5, (G[illegible]SPODARKA MIĘSNA, Vol. 5, No. 1, January, 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 4, April, 1954

GOLEBIOWSKI, C.

Remarks addressed to the employee inventiveness movement. p. 13.
(PRZEMYSL GASTRONOMICZNY. Vol. 11, no. 6, June 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957.
Uncl.

GOLDBROUN I, F.

"Sea Fisheries in 1953." p. 7, (ROCZNIKI NAUK RYBNYCH, Vol. [illegible], No. 3, Mar. 1954. Warszawa, Poland.)

SO: Monthly List of East European Accession, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

GOLEBIOWSKI, G.

Concerning crushed stone. p. 234.
(MATERIAŁY BUDOWLANE. Vol. 11, no. 8, Aug. 1956, Warszawa, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957.
Uncl.

Golebiowski, F.

"Sea Fishing Yesterday, Today, and Tomorrow," P. 1. (GOSPODARKA RYBNA, Vol 6, No. 8, Aug. 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955 Uncl.

GOLEBIOWSKI, F.

GOLEBIOWSKI, F., Tasks of sea fisheries in 1955. p. 2.

Vol. 7, no. 3, Mar. 1955, Warszawa, Poland AGRICULTURE

SO: Monthly List of East European Accessions (EEAL), LC, Vol. 5, No. 2 Feb. 1956

[illegible], [illegible].

We shall avail ourselves of modern experience [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]-economic enterprises for 1956. p. 4.
Vol 1, no. 1, Jan. 1956. [illegible] [illegible]. Warsaw, Poland.

So: Eastern European Accessions. Vol 5, no. 4, April 19[illegible].

GOLEBIOWSKI, F.

GOLEBIOWSKI, F. At the outset of the second five years. p. 3.

Vol. 28, no. 1, Jan. 1956
TURYSTA
Poland

So: East European Accession, Vol. 6, No. 5, May 1957

GOLEBIOWSKI, Henryk (Warszawa)

Apartment house construction industry of the city of Warsaw. Przegl budowl i bud mieszk 34 no.9:533-536 S '62.

GOLEBIOWSKI, Jerzy, inz.

Certain aspects of the automation of power plants on motor ships. Tech gosp morska 13 no.12:365-368 D'63.

1. Zjednoczenie Morskich Stoczni Remontowych, Gdansk.

GOLIBIOWSKI, [illegible]

[illegible]

COLEPIOWSKI, J.

Tasks and needs of the leather industry industry in the light of the directives of the 9th Plenary Session of the Central Committee of the Polish United Workers Party, p.1. (PRZEGLAD SKORZANY, Lodz, Vol 9, no. 1, Jan. 1954)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jan. 1955, Uncl.

GOLEBIOWSKI, J.

Some remarks on comparable and incomparable production and on a method of calculating reduced cost in the footwear industry. p. 171. PRZEGLAD SKORZANY. Lodz. Vol. 10, no. 8, Aug. 1955

Source: East European Accessions List, (EEAL), LC, Vol. 5, No. 3, March 1956

GOLABIOWSKI, J.; Konarzewski, Z.

Work competition in the shoe industry in the second half of 1956. p. 235. (PRZEGLAD SKORZANY. Vol. 11, no. 10, Oct. 1956, Lodz, Poland)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, no. 12, Dec. 1957. Uncl.

ODLEBIOWSKI, J.

Remarks on the reorganization of industrial management. p.297
(PRZEGLAD SKORZANY, Vol. 11, No. 12, Dec. 1956, Lodz, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9, Sept. 1957, Uncl.

GOLEBIOWSKI, Kazimierz, mgr inz.

Selective photoelectric relay with TG 0,1/1,3 thyratron valve. Pomiary 9 no.1:24-26 Ja '63.

ACC NR: AP7003921 (A) SOURCE CODE: PO/0034/67/000/001/0015/0017

AUTHOR: Golebiowski, Kazimierz (Doctor of Engineering)

ORG: none

TITLE: Electric system for measuring a quotient of two voltages

SOURCE: Pomiary, automatyka, kontrola, no. 1, 1967, 15-17

TOPIC TAGS: pyrometer, voltage regulator, signal generator, voltage divider, photoelectric resistor, self balancing potentiometer, error detection transistor

ABSTRACT: The method of forming the quotient "i" of a two wavelength pyrometer is given by the formula:

$$i = \frac{U_1}{U_2} = \frac{U_1 k}{U_2 k} = \frac{U_1 k}{\text{const}} \sim U_1 k$$

An electronic system based on this equation and generating a signal equal to the quotient of two input signals, U_1 and U_2, is described. It uses a photoelectric resistor which acts as voltage regulator, but has no reversible motor or electro-

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ACC NR: AP7003921

magnetic vibrator, incorporated in other known systems. The use of a transistor as error detector is also discussed, and measuring data on the regulation of range and errors are given. According to the author, it is possible to build an electronic system performing the division of two electric magnitudes such as the U_1 and U_2 voltages by using a photoelectric resistor as voltage regulator. Furthermore, the "photoelectric resistor-lamp" unit can be used in many instances for voltage or current strength regulation, instead of the self-balancing potentiometer presently in use. Orig. art. has: 5 figures and 2 formulas. [DR]

SUB CODE: 09/SUBM DATE: none/ORIG REF: 002/SOV REF: 002/OTH REF: 002/

Card 2/2

POLAND

GOLEMOWSKI, Leonard and MINOWSKI, Jerzy; Third Surgical Clinic (III Klinika Chirurgiczna) (Director: Prof. Dr. med. J. DRYJSKI), SDL [Studium Doskonalenia Lekarzy, Postgraduate Training for Physicians], AM [Akademia Medyczna, Medical Academy] in Warsaw and Histopathological Laboratory [Pracownia Histopatologiczna), Municipal Hospital (Szpital Miejski) No 1, in Warsaw (Director: Dr. med. J. MINOWSKI)

"Case of Neurilloma of Meckel Recess, Complicated with Severe Hemorrhages from Gastro-intestinal Tract."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 28, 8 Jul 63, pp 1035-1037

Abstract: [Authors' English summary] Authors report a case of a 62-year old woman with neurilloma of the Meckel recess. The tumor caused long-lasting hemorrhages from the gastro-intestinal tract. Authors believe this to be the second such case to be reported in the literature. There are 21 references: 3 Polish, 2 French, 6 German, and 10 in English.

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POLAND/Optics - Spectroscopy K-7

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 6816

Author : Szymanowski W., Wisniewski R., Golebiowski R., Olszewska I.
Inst : Warsaw Technical University, Poland

Title : Application of Pressed Powder Methods to the Investigations of Infrared Absorption Spectra of Solids

Orig Pub : Bull. Acad. polon. sci. Ser. sci. mat., astron. et phys., 1958, 6, No 3, 223-231, XVII

Abstract : The applicability of the method of pressed powders to various inorganic and organic solid bodies is considered. From the infrared spectra of many specimens, pressed in a vacuum apparatus constructed by the authors, the following is shown: 1. Samples of barium titanate, which exhibits strong ferroelectric properties prior to pulverization, and samples of barium titanate obtained in powder form, have the same absorption spectra with bands at 545 and approximately 420 cm^{-1}. 2. Polystryrol, pressed with potassium bromide, has essentially the same absorption spectrum in the infrared

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A076/A126

AUTHORS: Wiśniewski, Roland, Master of Engineering and Gołębiowski, Roman, Master.

TITLE: Use of resistance tensometers for the measurement of hydrostatic pressure up to 10,000 atm

PERIODICAL: Pomiary, Automatyka, Kontrola, no. 4, 1961, 124 - 126

TEXT: The article describes the usefulness, accuracy and the technique of using and testing resistance tensometers under very high hydrostatic pressures. Measurements made with the aid of grid tensometers produced by the Instytut Techniki Budowlanej (Institute of Construction Engineering) in Warsaw showed that the sensitivity deformation coefficient up to 10,000 atm pressure does not change more than 1.5%. The resistance tensometers were glued with KTNI glue onto a number of cylindrical samples, made of spectral pure polycrystal metals Al, Cu, Fe, Ni and Mo. The samples were exposed to pressure in a high-pressure chamber thermally stabilized with an accuracy of $\pm$ 0.02°C. Relative increase of resistance was measured on a cantilever measuring bar registering deformations with an accuracy of $1.0 \cdot 10^{-6}$, or relative resistance changes with an accuracy of $2.1 \cdot 10^{-6}$. In

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Use of resistance tensometers for the measurement of ... A076/A126

order to ascertain the behavior of resistance tensometers glued to the base, resistance changes of a tensometer glued to a constant, containing the same chemical compounds as the wire, were measured and resistance changes arising due to pressure on free constant wire were also measured. After testing deformation of metal under high pressure with the aid of a single and a compensating tensometer, the authors point out that the tensometers produced by the Institute of Construction Engineering may be used for measurements under very high hydrostatic pressure. The KTN 1 glue produced by the above institute shows good glueing properties, and the presence of a mixture containing 50% of transformer oil with kerosene, lacking moisture, does not influence its properties. However, a longer drying period at higher temperature is advised. At the beginning the tensometer creeps, and the creeping value is $20 \cdot 10^{-6}$. With tensometers glued to cylindrical samples in direction opposite to the generating direction a large deviation of measured value will occur, which can be corrected by a differentiating formula. There are 2 tables, 2 figures and 6 references: 5 Soviet-bloc and 1 non-Soviet--bloc. The reference to the English-language publication reads as follows: Bridgeman, P. W.: The Physics of High Pressure, G. Bell and Sons, London 1949.

ASSOCIATION: Katedra Fizyki Ogólnej "B" PW, Instytut Podstawowych Problemów Techniki PAN (Department of General Physics "B" PW Institute of Basic Technical Problems, PAN)

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P/045/61/020/005/003/008
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AUTHORS: Gołębiowski, Roman and Wiśniewski, Roland

TITLE: Initial magnetization of nickel under tension and high hydrostatic pressure

PERIODICAL: Acta Physica Polonica, v. 20, no. 5 - 6, 1961, 391 - 402

TEXT: Steinberger (Ref. 7) has drawn attention to the fact that the magnetostriction characteristics of nickel depend on the outer pressure. The authors wanted to find out to what extent this effect is due to the pressure dependence of the magnetostriction or to the pressure dependence of the energy of magnetic anisotropy and other quantities. This question remained, however, unanswered. The influences of magnetostriction, tension and crystal anisotropy on domain-magnetization are considered at first and put in relation to susceptibility. It is tried to account theoretically for the experimental results obtained by Brockhouse (Ref. 7). Using nickel wires, pre-drawn with 19.5 kg/mm^2, as they were employed by the author, resulted in the product of tension and initial susceptibility

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